

WORK SMARTS™

Logic Smart

What Is It?

Logic smarts (or logical-mathematical intelligence) is the capacity to work with numbers and to reason well. This includes discerning logical patterns or relationships and efficiently categorizing, classifying, and calculating information and data. In other words, people with highly developed logic smarts tend to be excellent mathematicians and scientists. They are good at deductive reasoning and rely on numbers and statistics to help them in their work. Their analytical skills are highly valued in the workplace where the ability to manipulate information and data is valued.

How They Learn

People with logic smarts learn best by analyzing data and then using that information to solve problems. They are able to quickly grasp graphical representations and timelines and prefer information that is presented in charts, diagrams, reports, and population data.

Logic Smarts & Careers

People possessing logic smarts are best suited for occupations that involve math and logic. They are skilled at inductive and deductive reasoning, abstract pattern recognition, scientific thinking and investigation, and performing complex mathematical calculations. They are also skilled at thinking conceptually and abstractly. Although people with this intelligence are often seen as “science geeks” or “number crunchers,” in actuality, they are simply good at solving problems using information and their own analytical skills. Many of today’s in-demand occupations require some ability to use numbers, logic, or scientific reasoning as a way to meet challenges, such as jobs in health care, computers, and engineering.

Keep This in Mind

Look at the big picture – You probably have and use most of the eight intelligences to some degree or another throughout your daily life. You may even excel at multiple intelligences and use them effectively in your career. That’s why it can be useful to read through the materials for each intelligence.

Develop career aspirations – The theory of multiple intelligences can help you explore intelligences you possess and then use this knowledge to help you make career choices. Remember that the *Work Smarts* assessment is not designed to match you with an occupation, but it can help you explore many occupations related to your intelligences that you might not have considered before.

Embrace your strengths – Remember that multiple intelligences stretch over a wide spectrum of abilities, not just those traditionally valued by society, such as English and math. Now is your chance to see the different ways that you are intelligent and to capitalize on your strengths.

Don’t ignore hidden intelligences – The theory of multiple intelligences allows you to identify and work to develop your hidden or underdeveloped intelligences. It is never too late to awaken unused abilities. Doing so can even open up career paths that you will find more productive and rewarding.

“Logic is the beginning of wisdom, not the end.” – Leonard Nimoy as Commander Spock

Top Occupations for Logic Smart People

Computer Software Engineers research, design, develop and test operating systems—level software, compilers, and network distribution software for medical, industrial, military, communications, aerospace, business, scientific, and general computing applications. They set operational specifications and formulate and analyze software requirements.

Outlook: Much-faster-than-average (21% or higher) growth with a need for 150,000 additional employees for 2006–2016.

Median Earnings: \$89,070/year

Registered Nurses assess patient health problems and needs, develop and implement nursing career plans, and maintain medical records. They administer nursing care to ill, injured, convalescent, or disabled patients. They may also advise patients on health maintenance and disease prevention or provide case management.

Outlook: Much-faster-than-average (21% or higher) growth with a need for 1,001,000 additional employees for 2006–2016.

Median Earnings: \$60,010/year

Industrial Engineers design, develop, test, and evaluate integrated systems for managing industrial production processes including human work factors, quality control, inventory control, logistics and material flow, cost analysis, and production coordination.

Outlook: Faster-than-average (14% to 20%) growth with a need for 89,000 additional employees for 2006–2016.

Median Earnings: \$71,430/year

Accountants analyze financial information and prepare financial reports to determine or maintain records of assets, liabilities, profit and loss, tax liability, or other financial activities within an organization.

Outlook: Faster-than-average (14% to 20%) growth with a need for 450,000 additional employees for 2006–2016.

Median Earnings: \$57,060/year

Logic Smart Workplace Skills

Knowledge of arithmetic, algebra, geometry, calculus, statistics, and other mathematical applications.

Knowledge of economic and accounting principles and practices.

The ability to choose the right mathematical methods to solve a problem.

The use of logic and reasoning to identify strengths and weaknesses.

The application of deductive reasoning to specific problems to produce answers that make sense.

Profiles in Intelligence

Galileo Galilei was a Tuscan physicist, mathematician, and astronomer who is now considered the “Father of Modern Science.” He confirmed the phases of Venus, discovered the four satellites of Jupiter, and analyzed sunspots. Many of his discoveries provided the foundation for principles of physics taught in high schools and colleges today, paving the way for other logic smart scientists and researchers such as Albert Einstein and Stephen Hawking—and maybe you.

MI Resources

Multiple Intelligences: New Horizons in Theory and Practice, Howard Gardner

7 Kinds of Smart: Identifying and Developing Your Multiple Intelligences, Thomas Armstrong

www.thomasarmstrong.com/multiple_intelligences.htm

www.newhorizons.org/strategies/mi/front_mi.htm